

FIG. 1

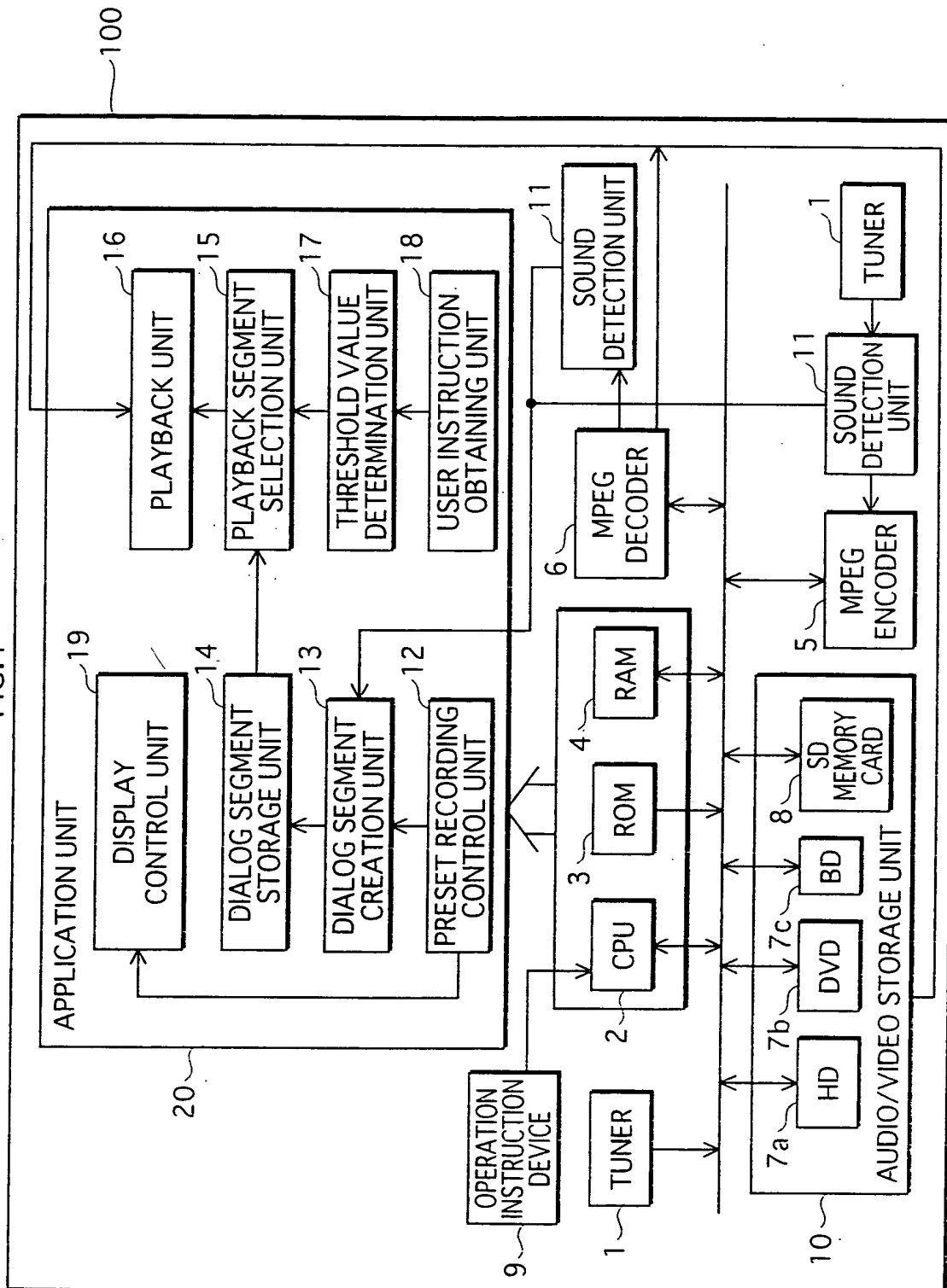


FIG.2

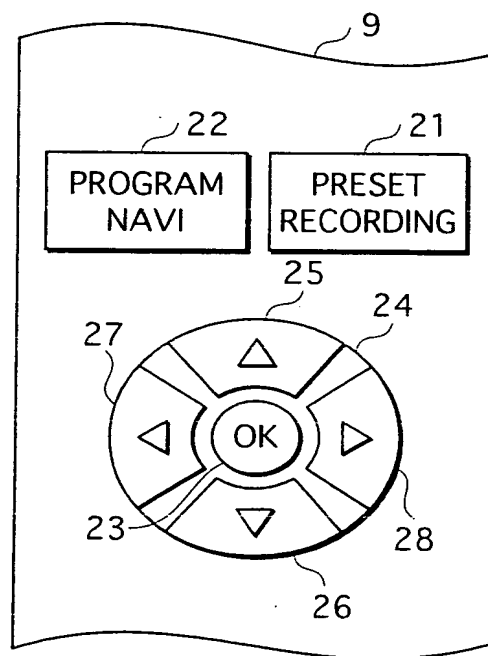


FIG.3

DIALOG SEGMENT LIST

31

	START POINT	END POINT	SOUND INTENSITY AT START POINT	SOUND INTENSITY AT END POINT
DIALOG SEGMENT 1	t ₁	t ₂	X ₁₁	X ₂₁
2	t ₃	t ₄	X ₁₂	X ₂₂
3	t ₅	t ₆	X ₁₃	X ₂₃
4	t ₇	t ₈	X ₁₄	X ₂₄
5	t ₉	t ₁₀	X ₁₅	X ₂₅
6	t ₁₁	t ₁₂	X ₁₆	X ₂₆
7	t ₁₃	t ₁₄	X ₁₇	X ₂₇

FIG. 4

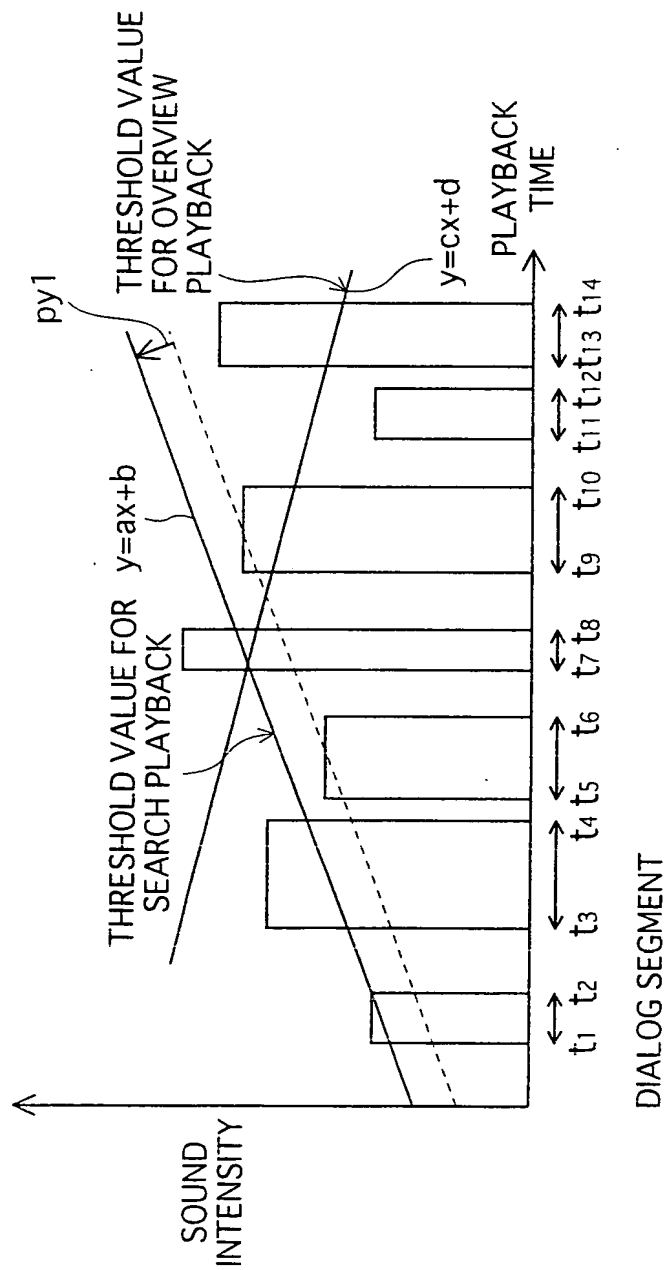


FIG.5

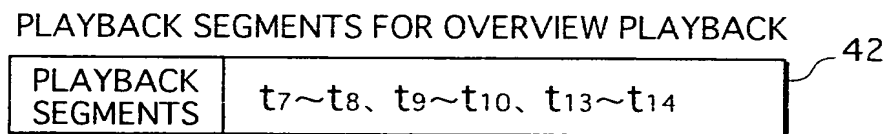
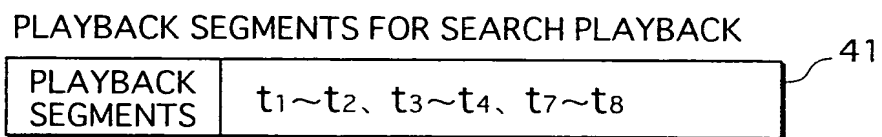


FIG.6

51

PRESET RECORDING

RECORDING START M D HR MIN

RECORDING END M D HR MIN

CHANNEL c h RECORDING MODE

CREATE DIGEST VIDEO ☒ SEARCH ☒

OVERVIEW ☐

FIG.7

PROGRAM NAVI 61

CH	START	PROGRAM TITLE
2	21:00	DOCUMENTARY THUMBNAIL SEARCH
4	10:00	WIDE SHOW
6	13:30	TALK SHOW THUMBNAIL OVERVIEW
8	17:00	NEWS
10	19:00	VARIETY THUMBNAIL SEARCH OVERVIEW

FIG.8

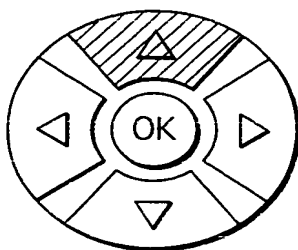
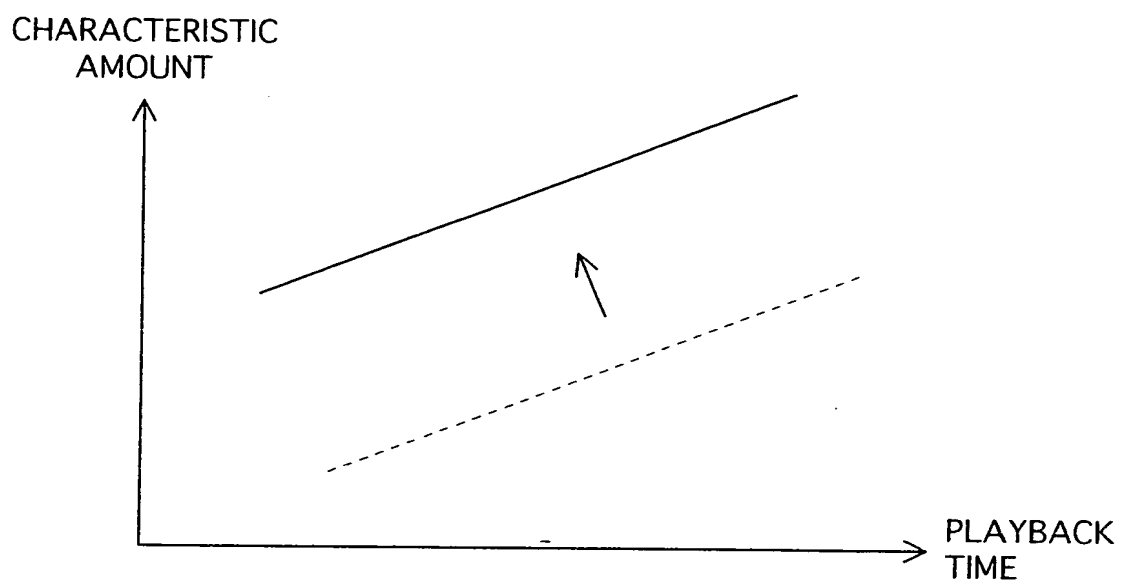


FIG.9

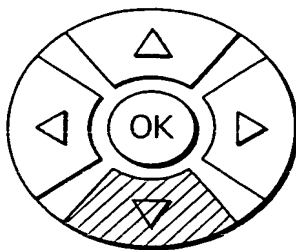
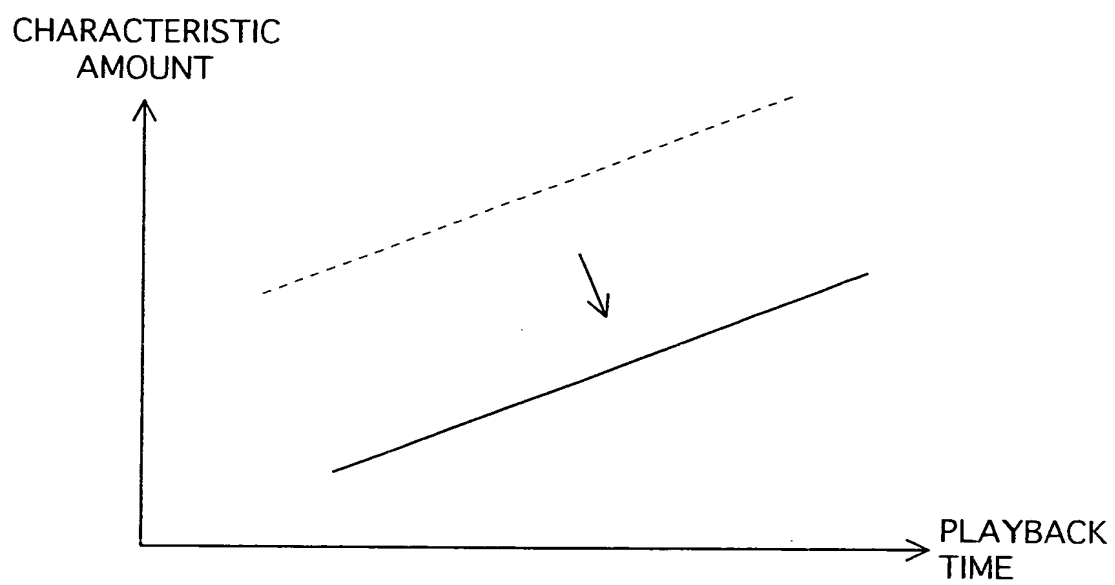


FIG.10

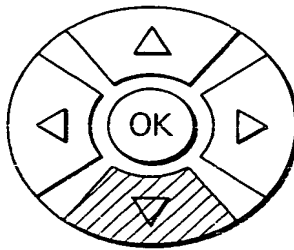
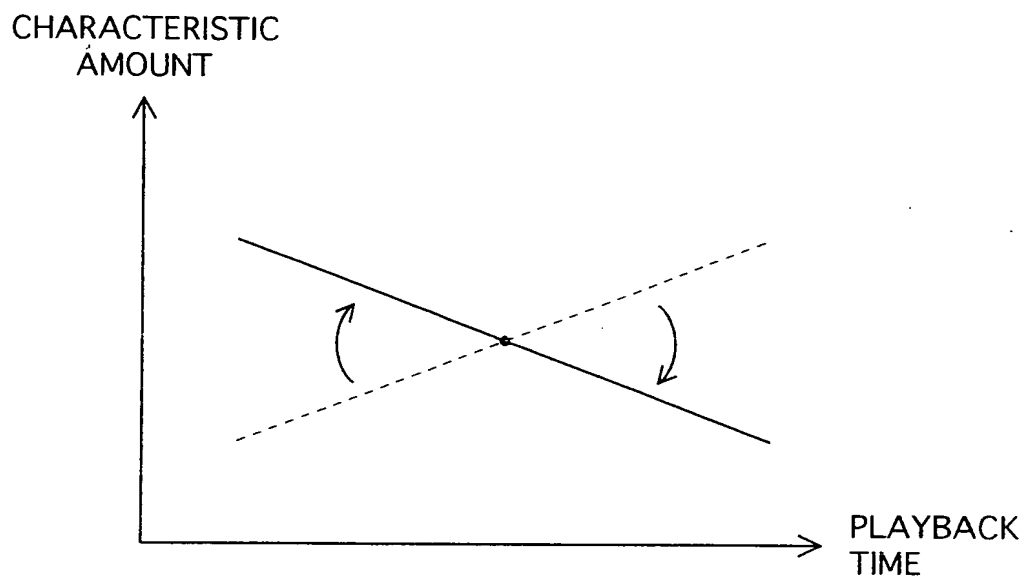


FIG.11

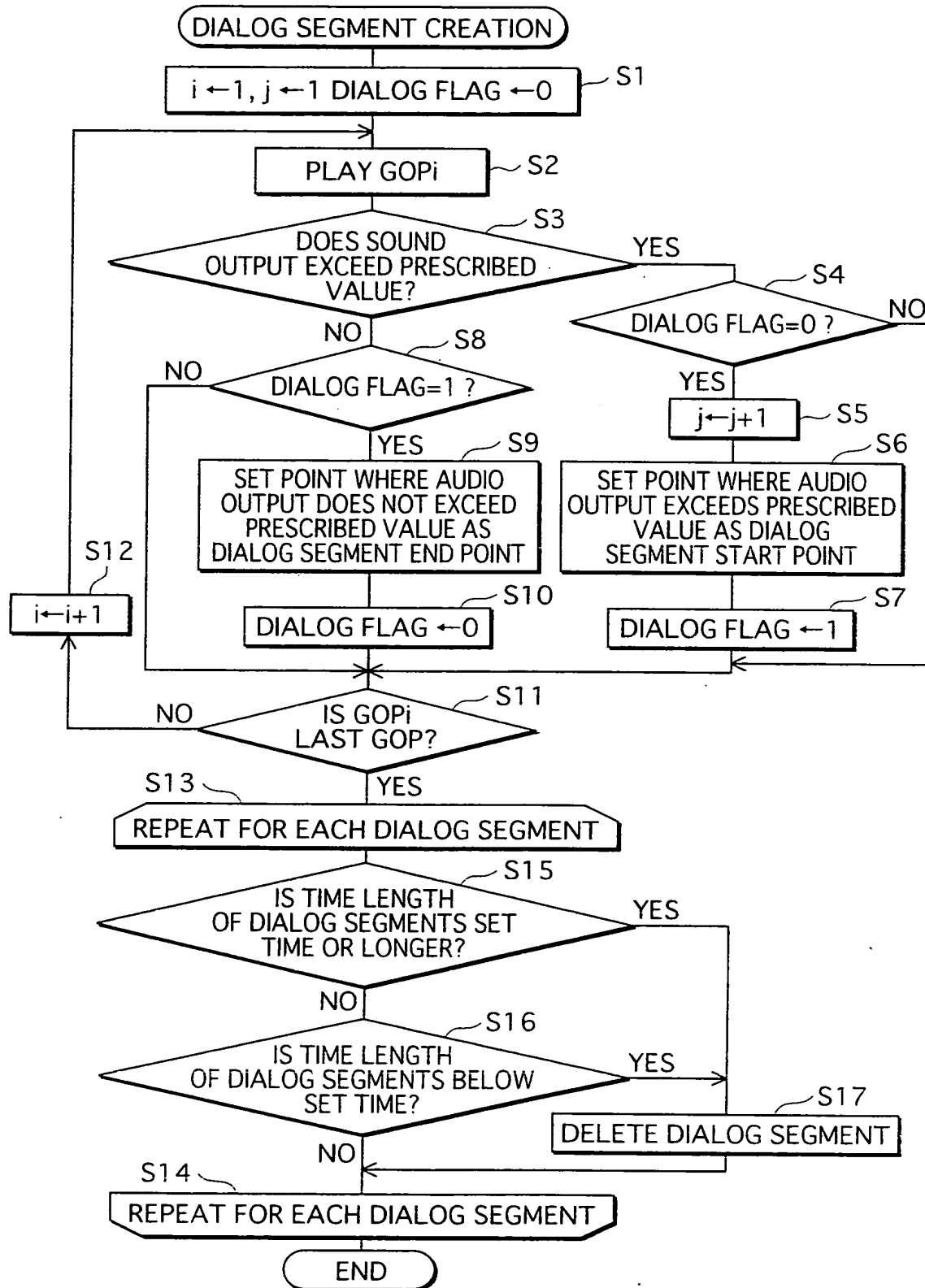


FIG.12

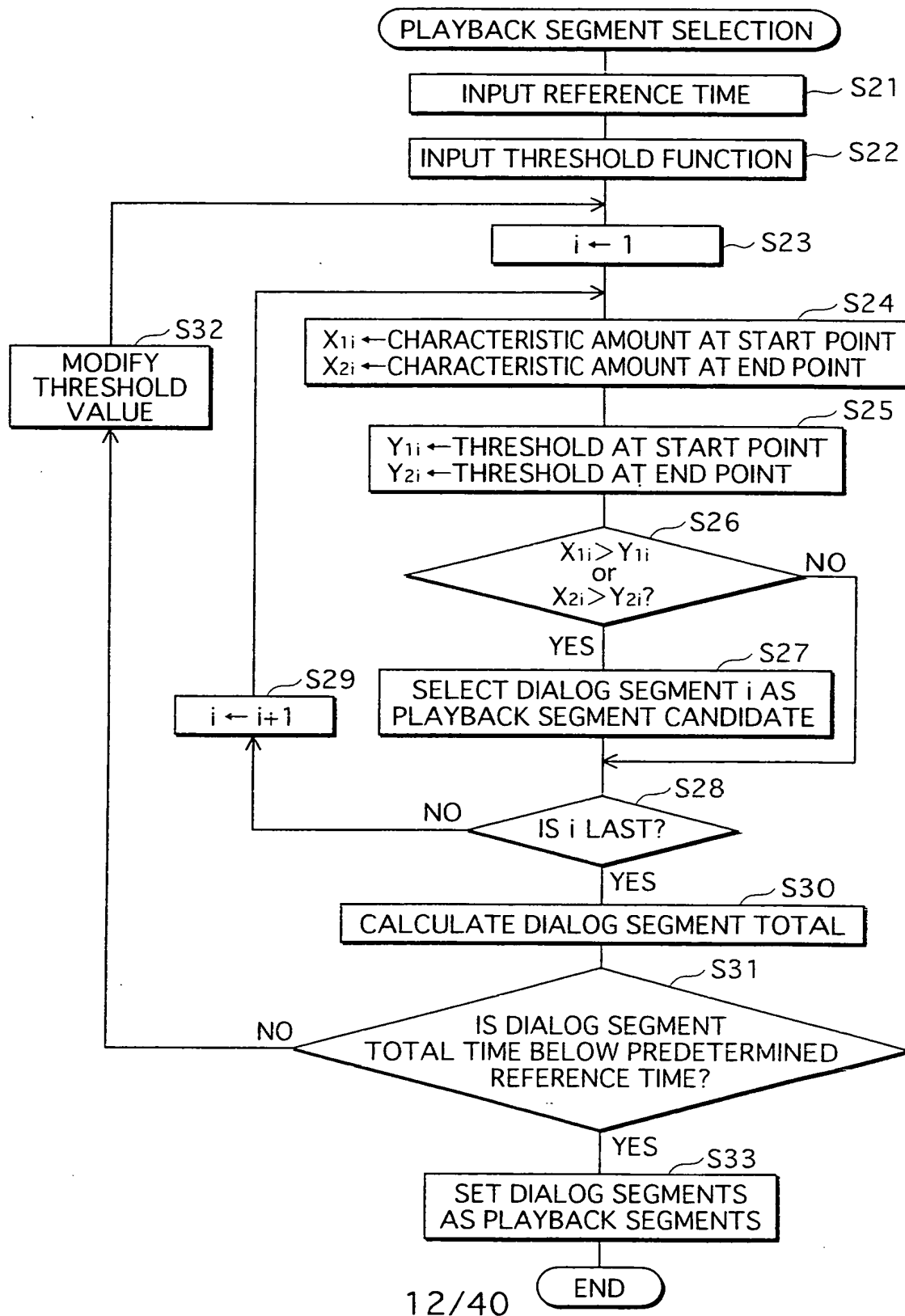


FIG.13

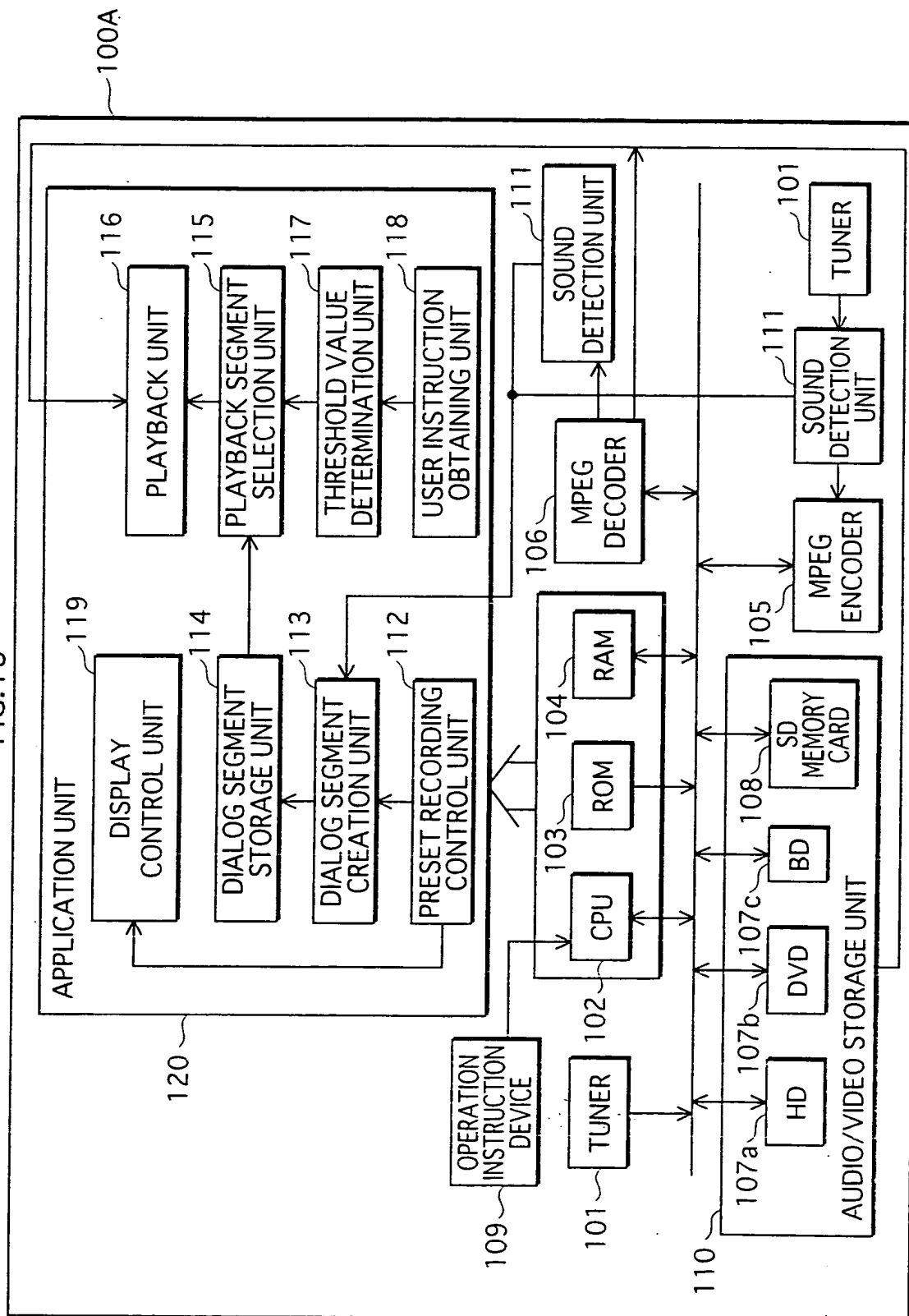


FIG.14

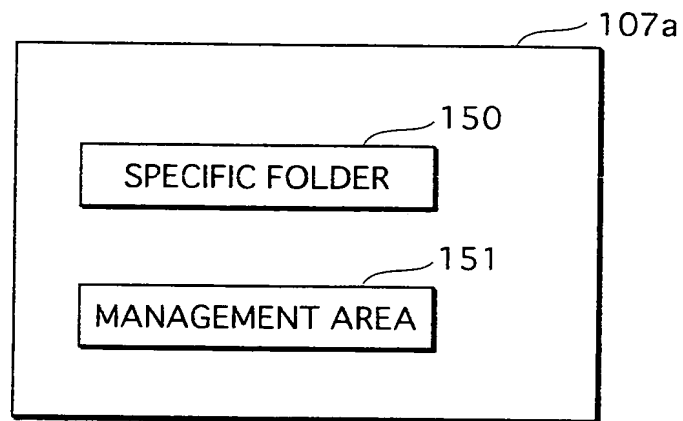


FIG.15

PROGRAM MANAGEMENT TABLE

T100

PROGRAM ID	PROGRAM NAME	RECORDING DATE-TIME	BROADCAST STATION NO.	RECORDING TIME (MIN)
P1	DRAMA ABC	2004/9/27 21:00	8	60
P2	DRAMA ABC	2004/10/4 21:00	8	60
P3	DRAMA ABC	2004/10/11 21:00	8	60
P4	SPORT PROGRAM	2004/10/16 19:00	2	120
P5	DRAMA ABC	2004/10/18 21:00	8	60
P6	DRAMA ABC	2004/10/25 21:00	8	60
P7	MOVIE PROGRAM	2004/10/29 21:00	10	120
∴	∴	∴	∴	∴

FIG.16

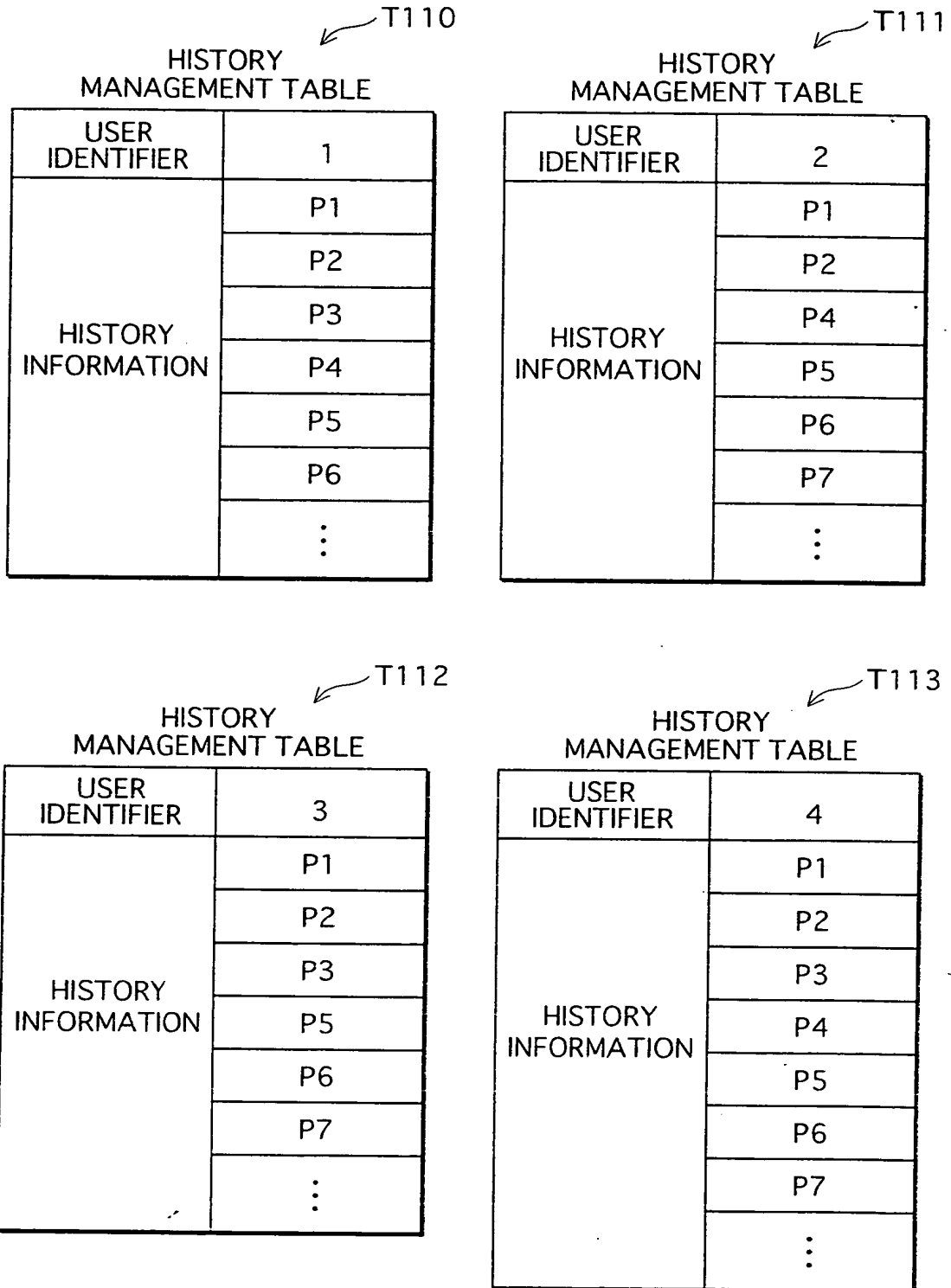


FIG.17

DIALOG SEGMENT TABLE

← T121

PROGRAM ID	P1	131		
	START POINT	END POINT	SOUND INTENSITY AT START POINT	SOUND INTENSITY AT END POINT
DIALOG SEGMENT11	t11	t12	x11	x12
DIALOG SEGMENT12	t13	t14	x13	x14
DIALOG SEGMENT13	t15	t16	x15	x16
DIALOG SEGMENT14	t17	t18	x17	x18

132

DIALOG SEGMENT TABLE

← T122

PROGRAM ID	P2			
	START POINT	END POINT	SOUND INTENSITY AT START POINT	SOUND INTENSITY AT END POINT
DIALOG SEGMENT21	t21	t22	x21	x22
DIALOG SEGMENT22	t23	t24	x23	x24
DIALOG SEGMENT23	t25	t26	x25	x26
DIALOG SEGMENT24	t27	t28	x27	x28

DIALOG SEGMENT TABLE

← T123

PROGRAM ID	P3			
	START POINT	END POINT	SOUND INTENSITY AT START POINT	SOUND INTENSITY AT END POINT
DIALOG SEGMENT31	t31	t32	x31	x32
DIALOG SEGMENT32	t33	t34	x33	x34
DIALOG SEGMENT33	t35	t36	x35	x36
DIALOG SEGMENT34	t37	t38	x37	x38

FIG.18

DIALOG SEGMENT TABLE

← T124

PROGRAM ID	P5			
	START POINT	END POINT	SOUND INTENSITY AT START POINT	SOUND INTENSITY AT END POINT
DIALOG SEGMENT41	t41	t42	x41	x42
DIALOG SEGMENT42	t43	t44	x43	x44
DIALOG SEGMENT43	t45	t46	x45	x46
DIALOG SEGMENT44	t47	t48	x47	x48

DIALOG SEGMENT TABLE

← T125

PROGRAM ID	P6			
	START POINT	END POINT	SOUND INTENSITY AT START POINT	SOUND INTENSITY AT END POINT
DIALOG SEGMENT51	t51	t52	x51	x52
DIALOG SEGMENT52	t53	t54	x53	x54
DIALOG SEGMENT53	t55	t56	x55	x56
DIALOG SEGMENT54	t57	t58	x57	x58

FIG.19

T130

WORKING TABLE

PROGRAM ID	PROGRAM NAME	RECORDING DATE-TIME	BROADCAST STATION NO.	RECORDING TIME (MIN)	
P1	DRAMA ABC	2004/9/27 21:00	8	60	140
P2	DRAMA ABC	2004/10/4 21:00	8	60	141
P3	DRAMA ABC	2004/10/11 21:00	8	60	142
P5	DRAMA ABC	2004/10/18 21:00	8	60	143
P6	DRAMA ABC	2004/10/25 21:00	8	60	144

FIG.20

T135

WORKING DIALOG SEGMENT LIST

	START POINT	END POINT	SOUND INTENSITY AT START POINT	SOUND INTENSITY AT END POINT
DIALOG SEGMENT11	t11	t12	x11	x12
DIALOG SEGMENT12	t13	t14	x13	x14
DIALOG SEGMENT13	t15	t16	x15	x16
DIALOG SEGMENT14	t17	t18	x17	x18
DIALOG SEGMENT21	t21+60	t22+60	x21	x22
DIALOG SEGMENT22	t23+60	t24+60	x23	x24
DIALOG SEGMENT23	t25+60	t26+60	x25	x26
DIALOG SEGMENT24	t27+60	t28+60	x27	x28
DIALOG SEGMENT31	t31+120	t32+120	$x31 \times 1.5$	$x32 \times 1.5$
DIALOG SEGMENT32	t33+120	t34+120	$x33 \times 1.5$	$x34 \times 1.5$
DIALOG SEGMENT33	t35+120	t36+120	$x35 \times 1.5$	$x36 \times 1.5$
DIALOG SEGMENT34	t37+120	t38+120	$x37 \times 1.5$	$x38 \times 1.5$
DIALOG SEGMENT41	t41+180	t42+180	x41	x42
DIALOG SEGMENT42	t43+180	t44+180	x43	x44
DIALOG SEGMENT43	t45+180	t46+180	x45	x46
DIALOG SEGMENT44	t47+180	t48+180	x47	x48
DIALOG SEGMENT51	t51+240	t52+240	x51	x52
DIALOG SEGMENT52	t53+240	t54+240	x53	x54
DIALOG SEGMENT53	t55+240	t56+240	x55	x56
DIALOG SEGMENT54	t57+240	t58+240	x57	x58

FIG.21

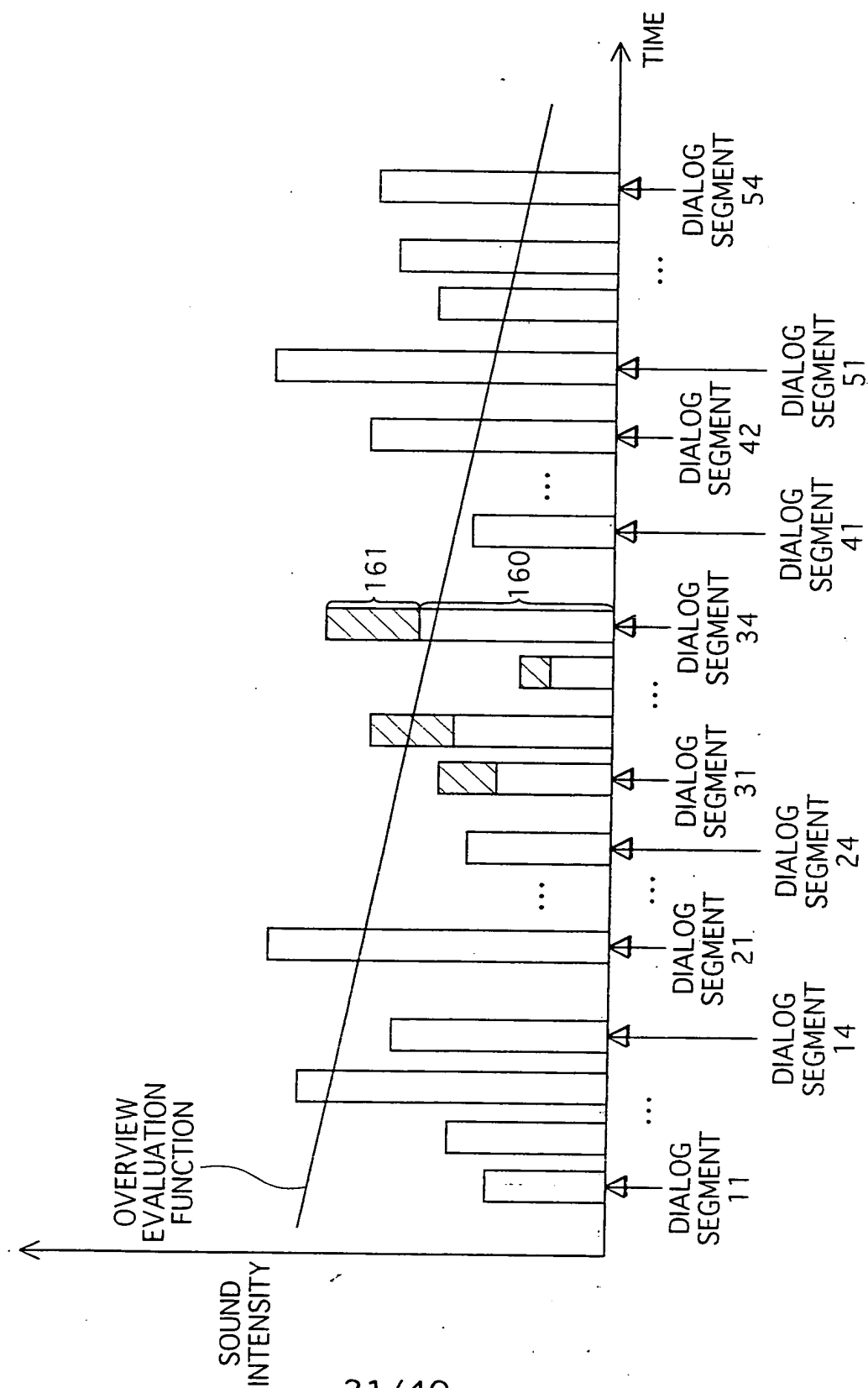


FIG.22

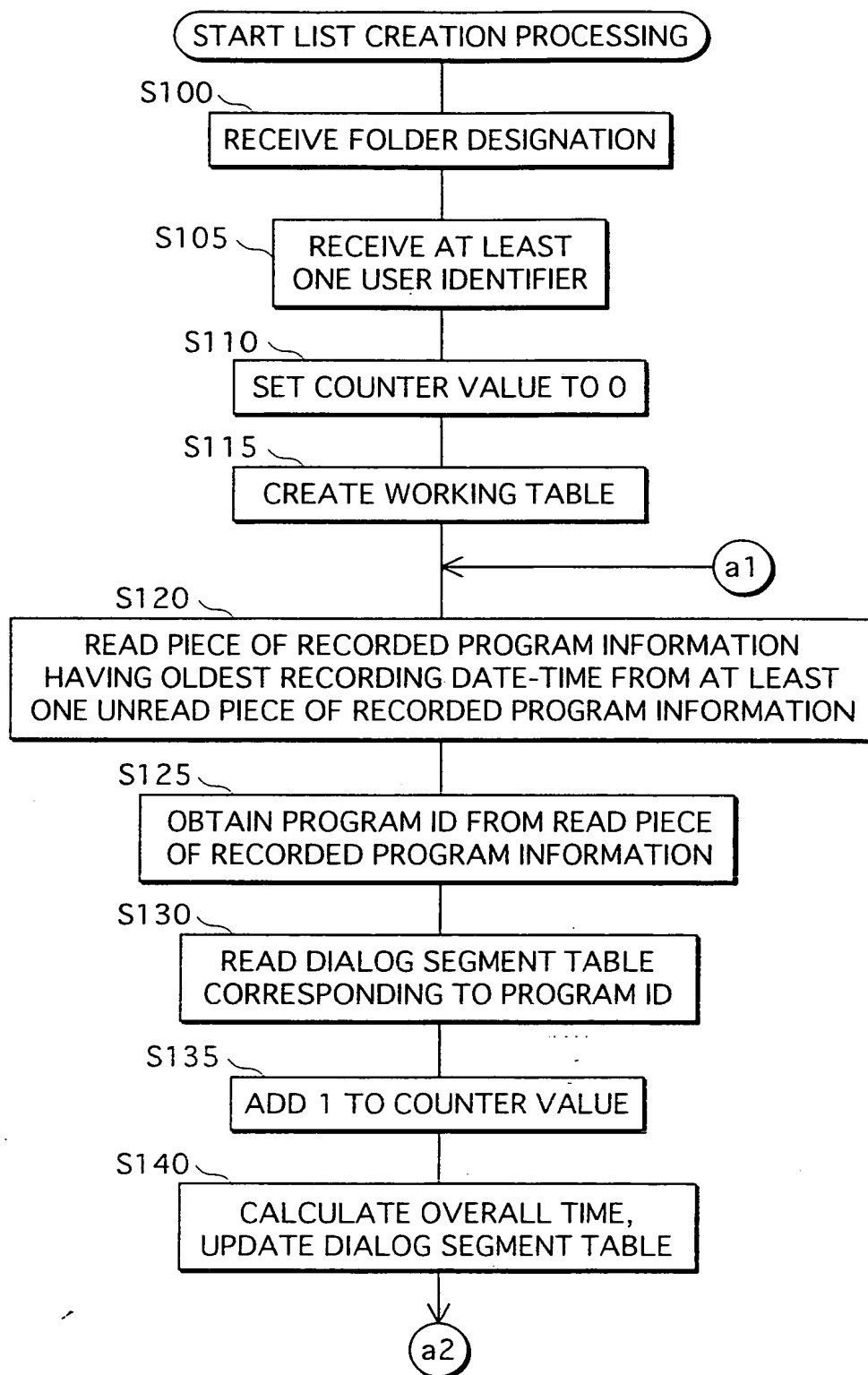


FIG.23

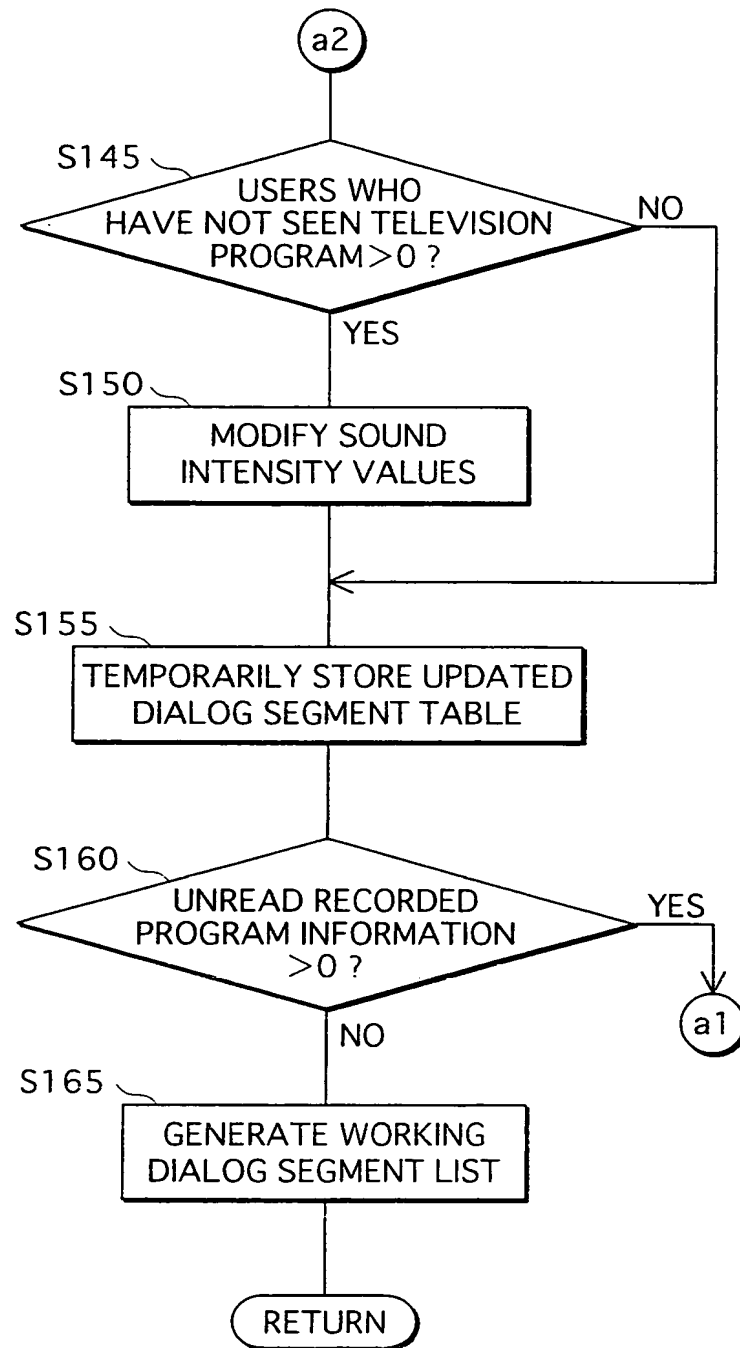


FIG.24

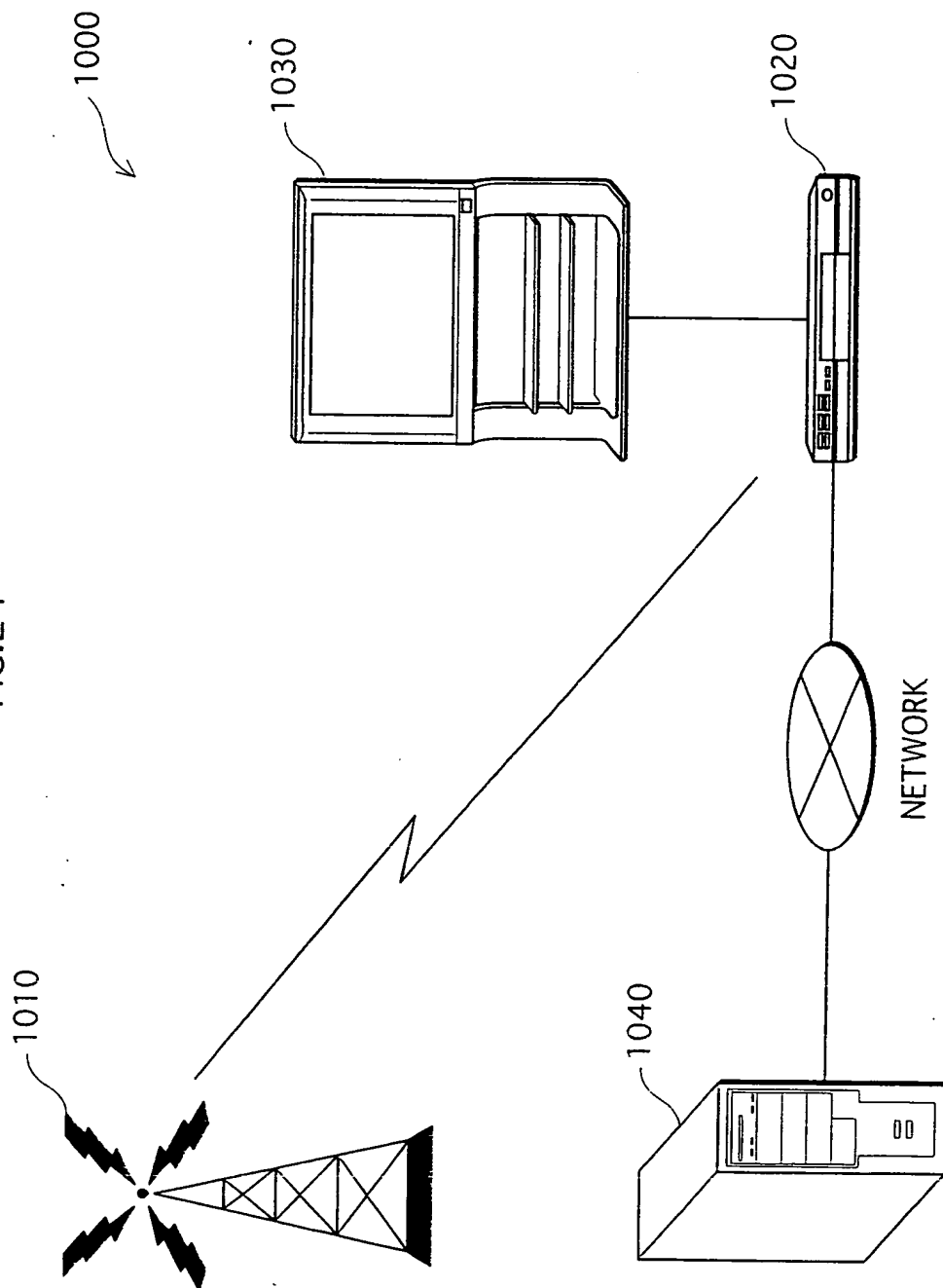


FIG.25

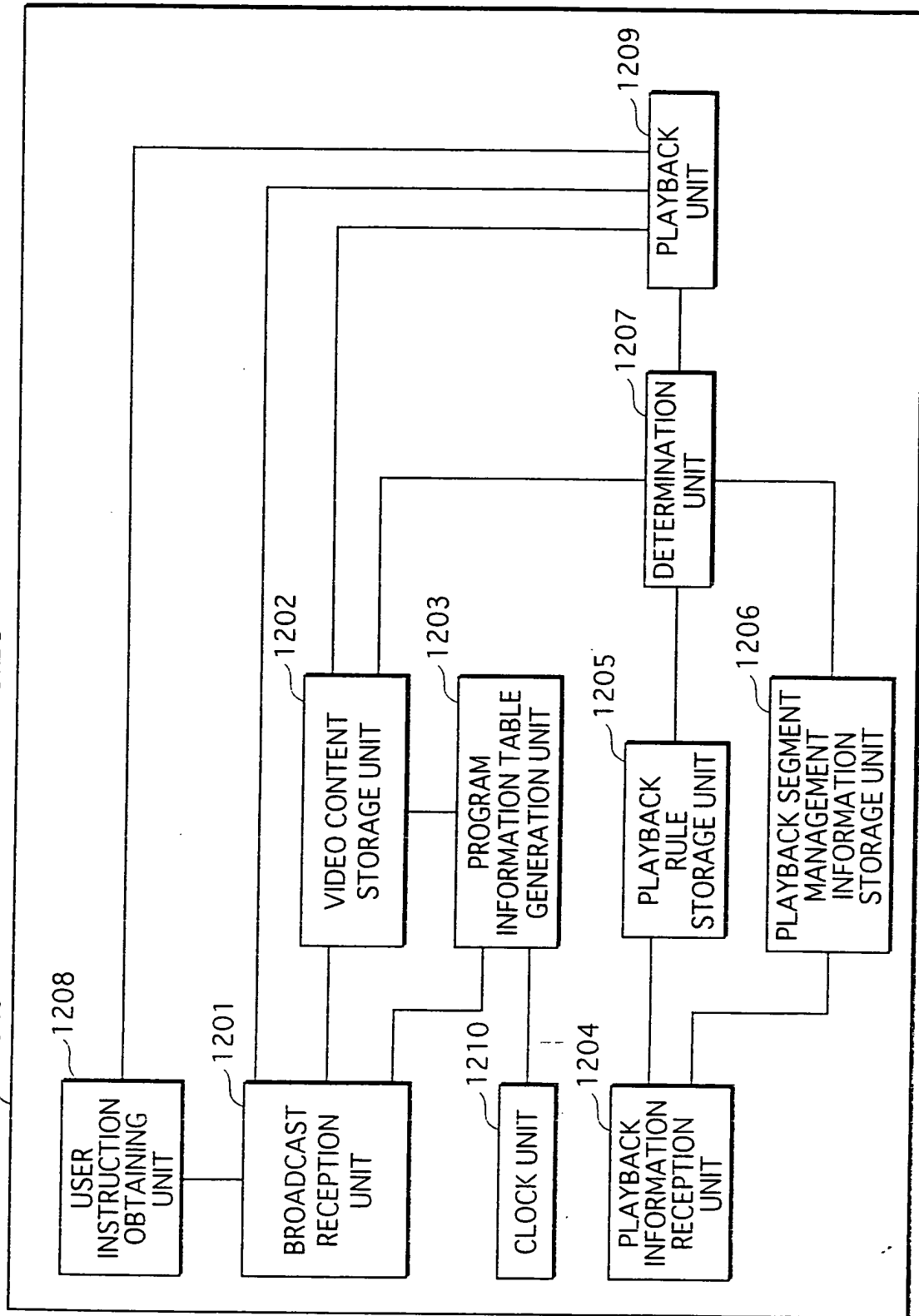


FIG.26

T1000
↙

RECORDED PROGRAM INFORMATION TABLE

PROGRAM ID	PROGRAM NAME	GENRE ID	RECORDING DATE-TIME	BROADCAST STATION NO.
1	DRAMA PROGRAM 1	003(DRAMA)	2003/10/10 21:00	10
2	CARTOON PROGRAM 1	004(CARTOON)	2003/10/15 21:00	10
3	DRAMA PROGRAM 2	003(DRAMA)	2003/10/22 19:00	8
4	MOVIE PROGRAM 1	002(MOVIE)	2003/10/23 21:00	6
5	MOVIE PROGRAM 2	002(MOVIE)	2003/10/30 21:00	6
6	NEWS PROGRAM 1	001(NEWS)	2003/11/1 21:01	4
∴	∴	∴	∴	∴

FIG.27

T1010

PLAYBACK RULE
DETERMINATION TABLE

GENRE ID	RULE ID
001	001
002	004
003	003
004	002
⋮	⋮

FIG.28

T1020

PLAYBACK RULE INFORMATION TABLE

RULE ID	INFORMATION TYPE	PLAYBACK ORDER	PLAYBACK TIME
001	USER PROFILE INFORMATION 1	ORDER OF IMPORTANCE	00:10:00
002	USER PROFILE INFORMATION 1	CHRONOLOGICAL ORDER	00:10:00
003	VIEWERSHIP INFORMATION 1	CHRONOLOGICAL ORDER	00:10:00
128	SUBTITLE APPEARANCE INFORMATION 2	CHRONOLOGICAL ORDER	00:50:00
325	USER PROFILE INFORMATION 5	ORDER OF IMPORTANCE	00:10:00
:	:	:	:

FIG.29

T1030

USER PROFILE INFORMATION 1			
SEGMENT ID	OFFSET TIME	PLAYBACK TIME	IMPORTANCE VALUE
1	00:00:00	00:03:00	30
2	00:10:00	00:01:00	25
3	00:20:00	00:05:00	45
4	00:30:00	00:03:00	5
⋮	⋮	⋮	⋮

T1031

USER PROFILE INFORMATION 5			
SEGMENT ID	OFFSET TIME	PLAYBACK TIME	IMPORTANCE VALUE
1	00:00:00	00:01:00	2
2	00:10:00	00:04:00	38
3	00:20:00	00:05:00	40
4	00:30:00	00:02:00	10
⋮	⋮	⋮	⋮

T1032

VIEWERSHIP INFORMATION 1			
SEGMENT ID	OFFSET TIME	PLAYBACK TIME	IMPORTANCE VALUE
1	00:00:00	00:02:00	15
2	00:10:00	00:05:00	40
3	00:20:00	00:03:00	25
4	00:30:00	00:03:00	30
⋮	⋮	⋮	⋮

T1033

SUBTITLE APPEARANCE INFORMATION 2			
SEGMENT ID	OFFSET TIME	PLAYBACK TIME	IMPORTANCE VALUE
1	00:00:00	00:01:00	10
2	00:10:00	00:03:00	25
3	00:20:00	00:03:00	30
4	00:30:00	00:05:00	45
⋮	⋮	⋮	⋮

FIG.30

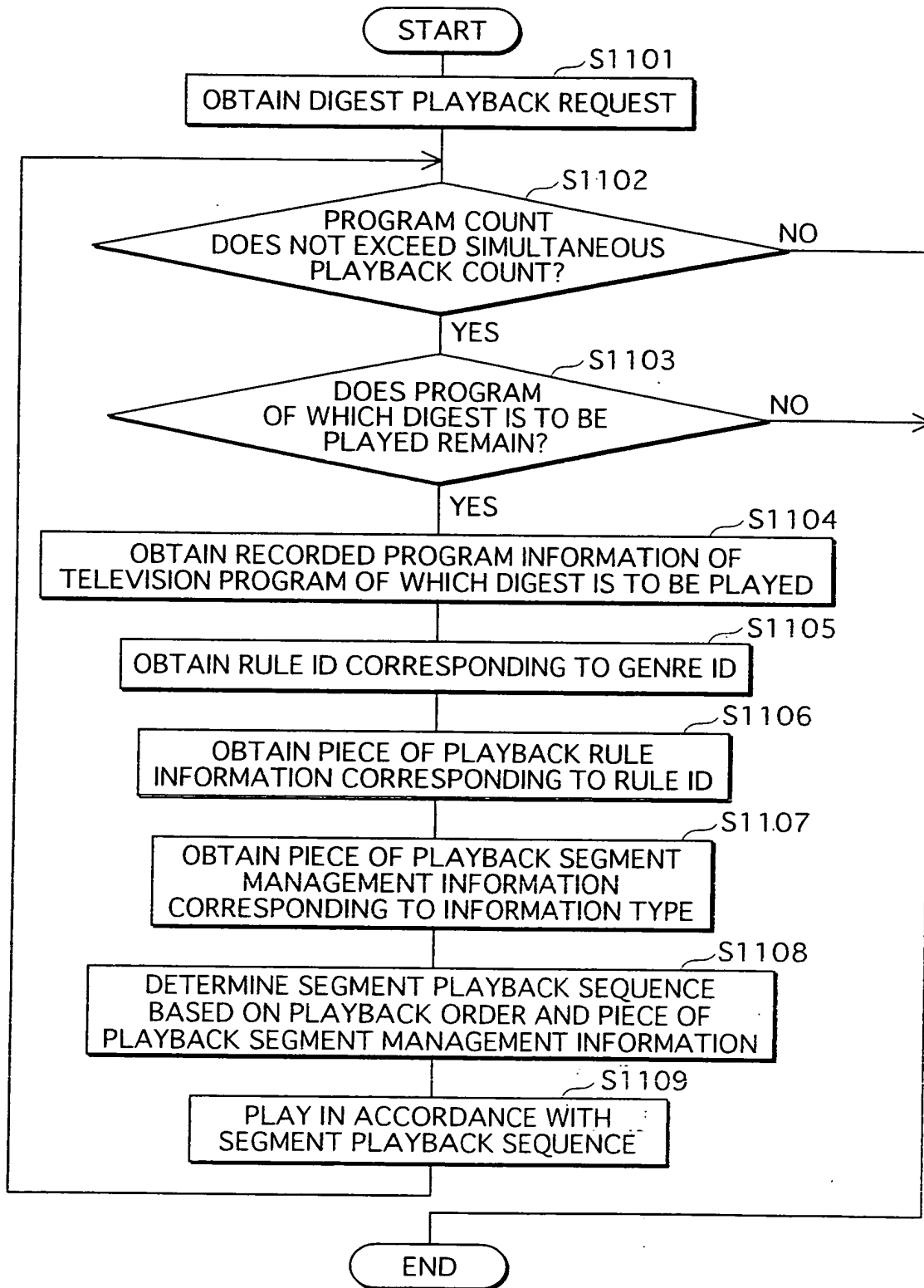


FIG.31

PLAYBACK SEQUENCE LIST

T1040

SEGMENT ID	OFFSET TIME	PLAYBACK TIME
3	00:20:00	00:05:00
1	00:01:00	00:02:00
2	00:10:00	00:01:00
4	00:30:00	00:02:00

T1041

T1042

FIG.32

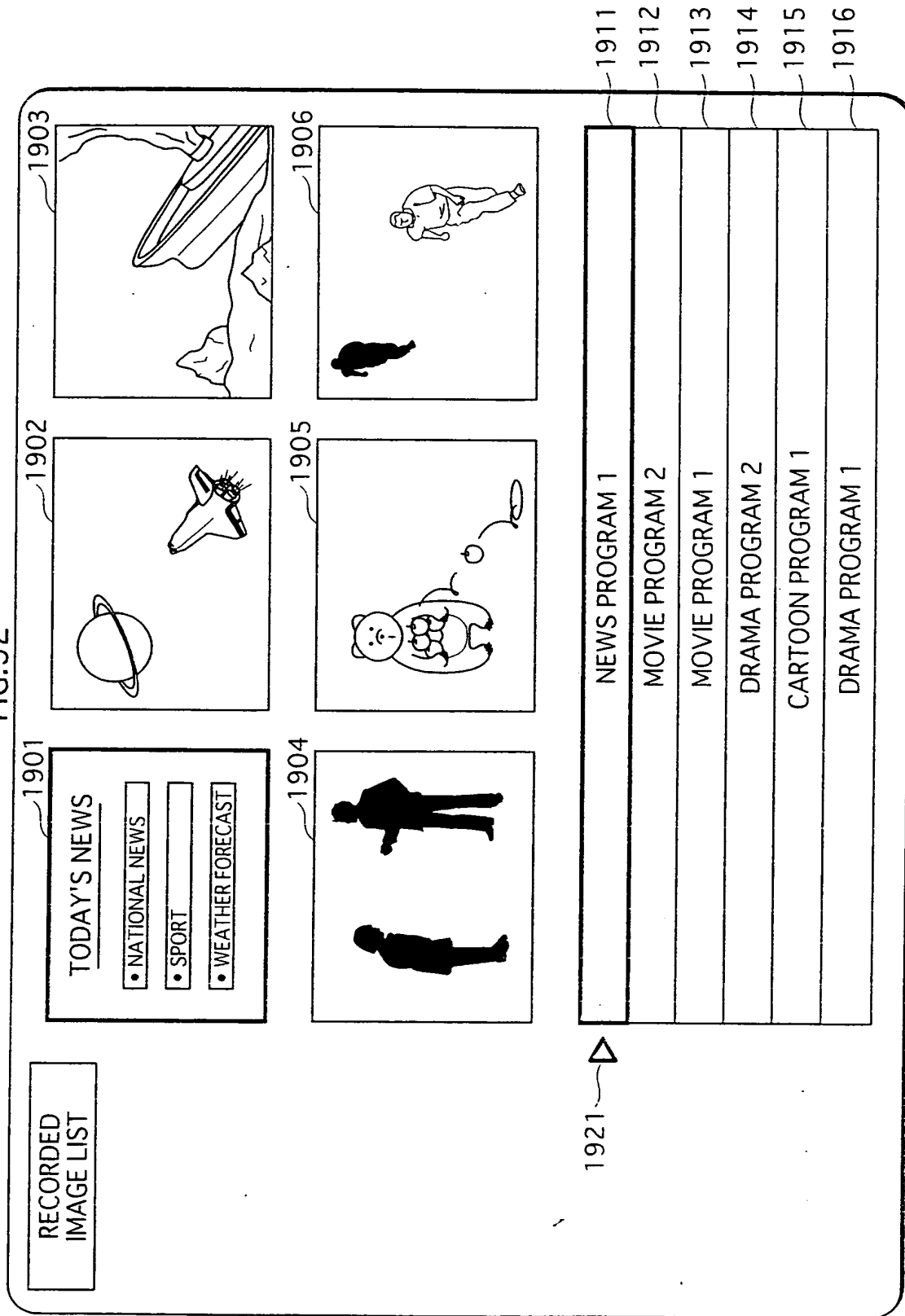


FIG.33

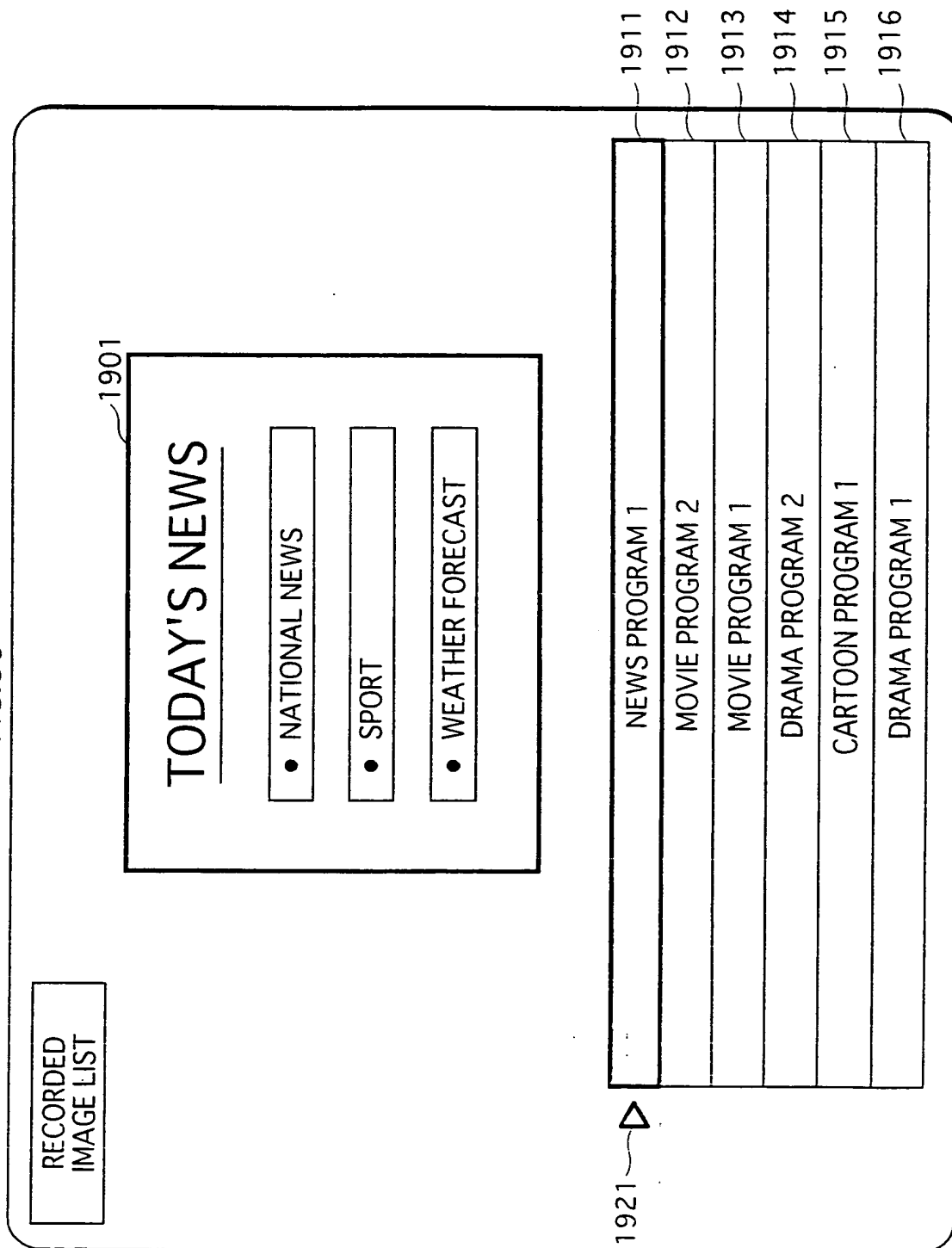


FIG.34

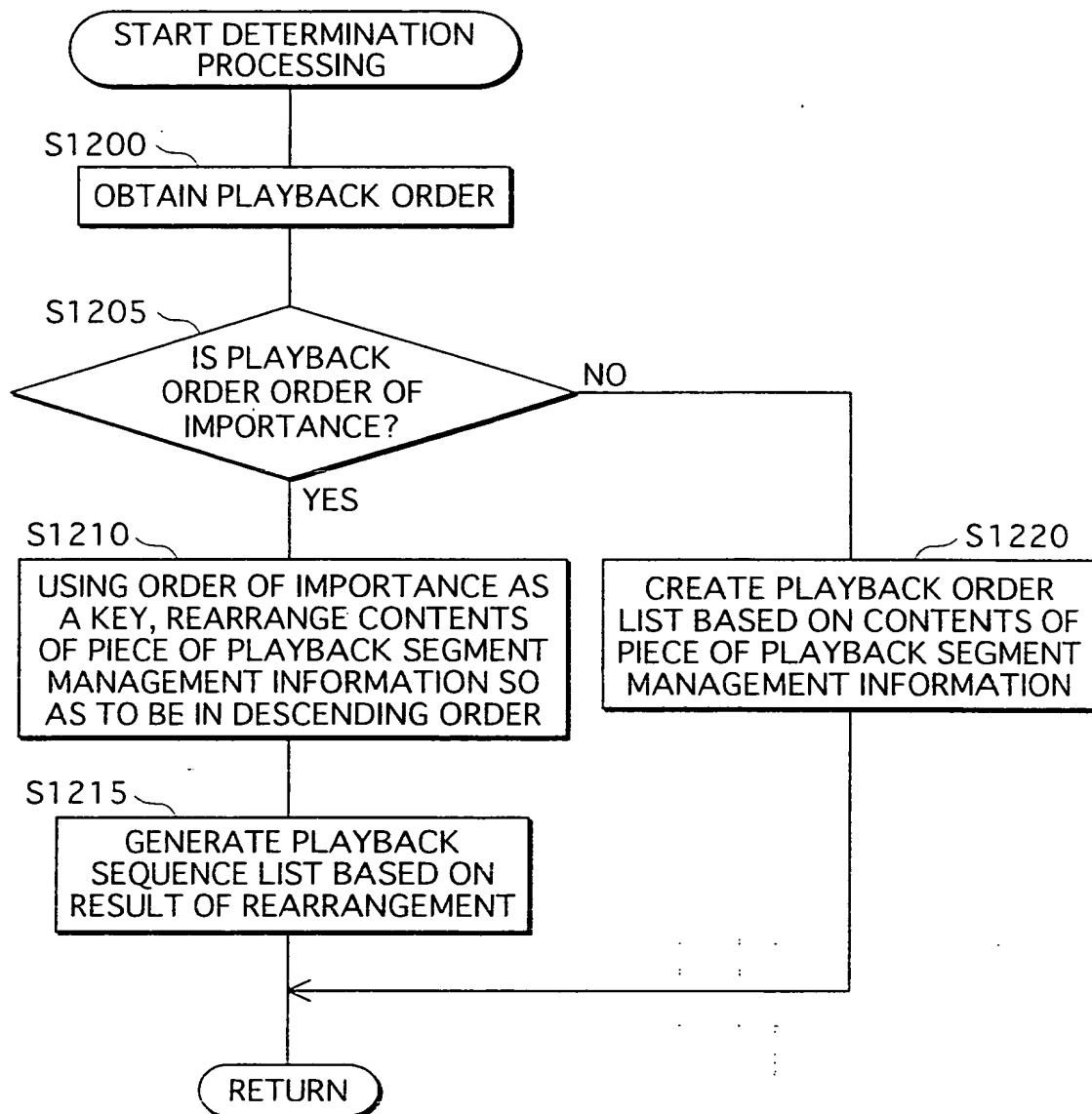


FIG.35

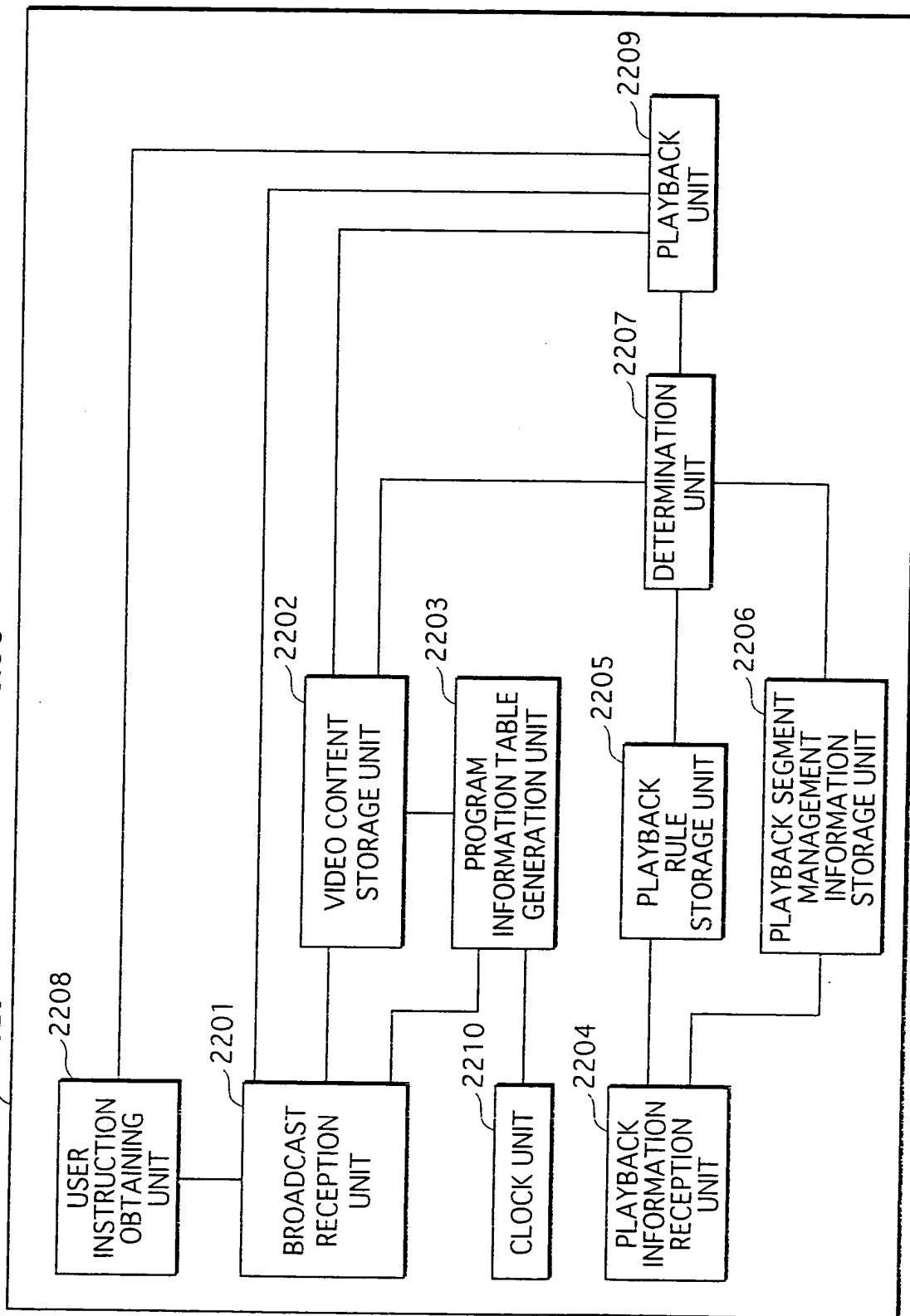


FIG.36

T2020

PLAYBACK RULE INFORMATION TABLE

RULE ID	INFORMATION TYPE	PLAYBACK ORDER	PLAYBACK TIME
001	USER PROFILE	ORDER OF IMPORTANCE	00:10:00
002	USER PROFILE	CHRONOLOGICAL ORDER	00:10:00
003	VIEWERSHIP INFORMATION 1	CHRONOLOGICAL ORDER	00:10:00
128	SUBTITLE APPEARANCE INFORMATION 2	CHRONOLOGICAL ORDER	00:50:00
325	USER PROFILE	ORDER OF IMPORTANCE	00:10:00
:	:	:	:

FIG.37

USER PROFILE INFORMATION 1			
USER ID	1		
SEGMENT ID	OFFSET TIME	PLAYBACK TIME	IMPORTANCE VALUE
1	00:00:00	00:03:00	30
2	00:10:00	00:01:00	25
3	00:20:00	00:05:00	45
4	00:30:00	00:03:00	5
⋮	⋮	⋮	⋮

↖ T2030

USER PROFILE INFORMATION 2			
USER ID	2		
SEGMENT ID	OFFSET TIME	PLAYBACK TIME	IMPORTANCE VALUE
1	00:00:00	00:03:00	15
2	00:10:00	00:01:00	55
3	00:20:00	00:05:00	15
4	00:30:00	00:03:00	25
⋮	⋮	⋮	⋮

↖ T2031

USER PROFILE INFORMATION 3			
USER ID	3		
SEGMENT ID	OFFSET TIME	PLAYBACK TIME	IMPORTANCE VALUE
1	00:00:00	00:03:00	10
2	00:10:00	00:01:00	20
3	00:20:00	00:05:00	25
4	00:30:00	00:03:00	50
⋮	⋮	⋮	⋮

↖ T2032

FIG.38

↖ T2033

USER PROFILE INFORMATION			
SEGMENT ID	OFFSET TIME	PLAYBACK TIME	IMPORTANCE VALUE
1	00:00:00	00:03:00	45
2	00:10:00	00:01:00	80
3	00:20:00	00:05:00	60
4	00:30:00	00:03:00	30
⋮	⋮	⋮	⋮

FIG.39

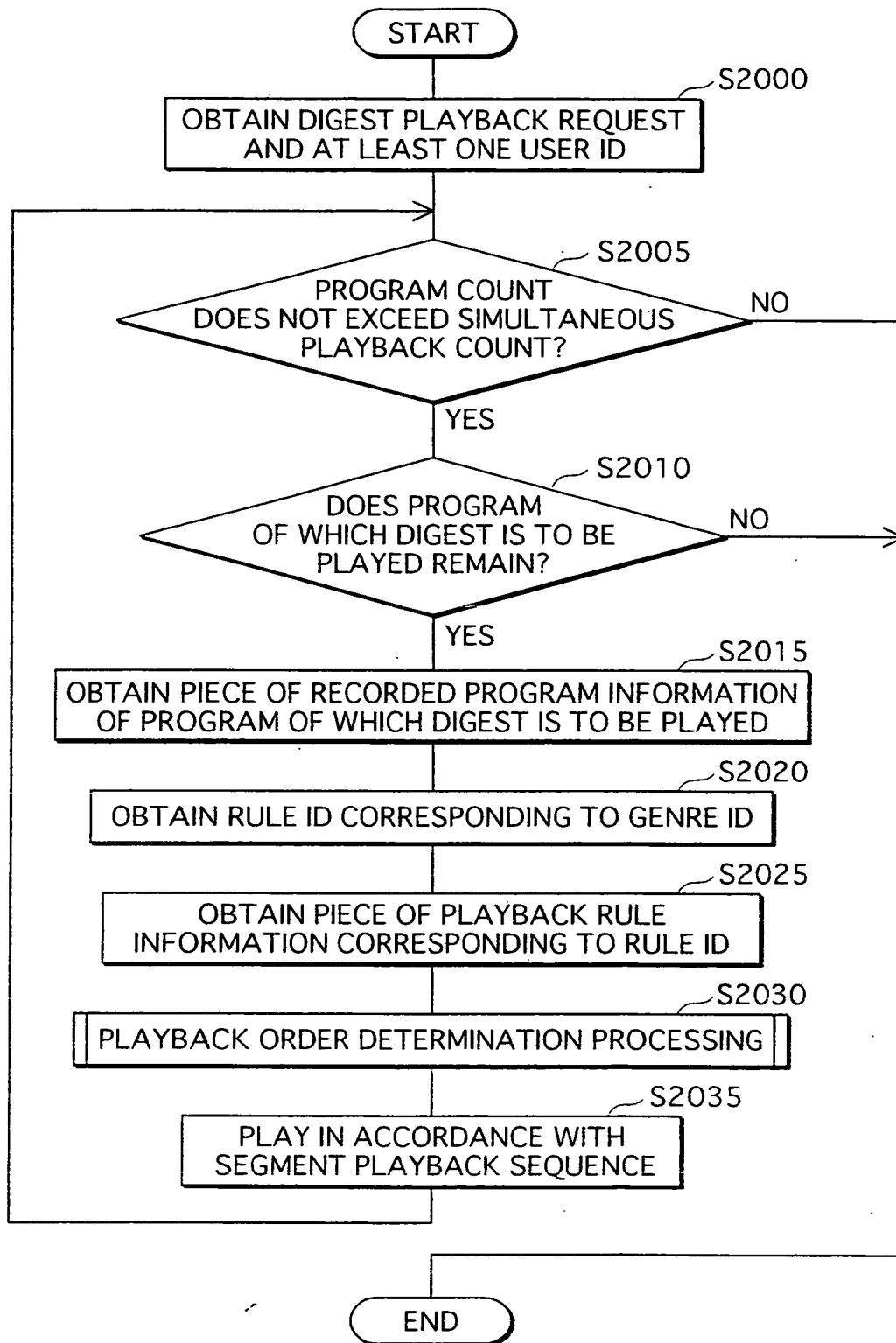


FIG.40

